

Patent Assignment Abstract of Title

Total Assignments: 2

Application #: 10068780 **Filing Dt:** 02/06/2002 **Patent #:** NONE **Issue Dt:**
PCT #: NONE **Publication #:** US20020176570 **Pub Dt:** 11/28/2002

Inventor: Russell J. Apfel**Title:** Current sensing echo cancellation device**Assignment: 1**

Reel/Frame: <u>012876/0148</u>	Received: 05/14/2002	Recorded: 05/03/2002	Mailed: 07/12/2002	Pages: 2
---------------------------------------	--------------------------------	--------------------------------	------------------------------	--------------------

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignor:** APFEL, RUSSELL J.**Exec Dt:** 04/18/2002**Assignee:** LEGERITY, INC.

BLDG. 3, M/S 310
 4509 FREIDRICH LANE
 AUSTIN, TEXAS 78744

Correspondent: WILLIAMS, MORGAN & AMERSON, P.C.

J. MIKE AMERSON
 7676 HILLMONT
 SUITE 250
 HOUSTON, TX 77040

Assignment: 2

Reel/Frame: <u>013372/0063</u>	Received: 10/21/2002	Recorded: 10/21/2002	Mailed: 01/23/2003	Pages: 107
---------------------------------------	--------------------------------	--------------------------------	------------------------------	----------------------

Conveyance: SECURITY AGREEMENT**Assignors:** LEGERITY, INC.**Exec Dt:** 09/30/2002LEGERITY HOLDINGS, INC.**Exec Dt:** 09/30/2002LEGERITY INTERNATIONAL, INC.**Exec Dt:** 09/30/2002**Assignee:** MORGAN STANLEY & CO. INCORPORATED, AS FACILITY COLLATERAL AGENT

1633 BROADWAY
 NEW YORK, NEW YORK 10019

Correspondent: ACCESS INFORMATION SERVICES, INC.

JACKIE LEE
 1773 WESTERN AVENUE
 ALBANY, NY 12203

Search Results as of: 5/25/2004 9:19:13 A.M.

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723
 Web interface last modified: Oct. 5, 2002

L Number	Hits	Search Text	DB	Time stamp
1	188602	(current or voltage) with sens\$3	USPAT; EPO; JPO	2004/05/25 10:08
2	1154	slic or subscriber adj line adj interface adj circuit	USPAT; EPO; JPO	2004/05/25 10:08
3	505797	balanc\$3 or unbalanc\$3	USPAT; EPO; JPO	2004/05/25 10:48
4	330378	driver	USPAT; EPO; JPO	2004/05/25 10:10
5	5825	((current or voltage) with sens\$3) same (balanc\$3 or unbalanc\$3)	USPAT; EPO; JPO	2004/05/25 10:10
6	250	driver same (((current or voltage) with sens\$3) same (balanc\$3 or unbalanc\$3))	USPAT; EPO; JPO	2004/05/25 10:10
7	2	(slic or subscriber adj line adj interface adj circuit) same (driver same (((current or voltage) with sens\$3) same (balanc\$3 or unbalanc\$3)))	USPAT; EPO; JPO	2004/05/25 10:24
8	10	("5054078" "5323460" "5402482" "5583934" "5619567" "5636273" "5684874" "5706342" "5734712" "5796815").PN.	USPAT	2004/05/25 10:15
9	26	("3591728" "4132864" "4234762" "4396805" "4406929" "4455456" "4524246" "4540853" "4617426" "4631359" "4631360" "4731828" "4731829" "4742536" "4797578" "4797917" "4809258" "4847896" "4853959" "4961222" "5172407" "5335272" "5402482" "5406623" "5425089" "5426695").PN.	USPAT	2004/05/25 10:24
11	5	"5734712" and sens\$3	USPAT; EPO; JPO	2004/05/25 10:27
12	10	"5734712" and voltage	USPAT; EPO; JPO	2004/05/25 11:02
13	14	((current or voltage) with sens\$3) same (slic or subscriber adj line adj interface adj circuit) same (balanc\$3 or unbalanc\$3)	USPAT; EPO; JPO	2004/05/25 10:48
14	63748	sens\$3 near3 current	USPAT; EPO; JPO	2004/05/25 10:48
15	483493	balanc\$3	USPAT; EPO; JPO	2004/05/25 13:03
16	6	(slic or subscriber adj line adj interface adj circuit) same (sens\$3 near3 current) same balanc\$3	USPAT; EPO; JPO	2004/05/25 10:52
17	28744	second adj voltage	USPAT; EPO; JPO	2004/05/25 10:57
19	208427	subtract\$3	USPAT; EPO; JPO	2004/05/25 10:53
18	14	(slic or subscriber adj line adj interface adj circuit) same (second adj voltage)	USPAT; EPO; JPO	2004/05/25 10:57
21	3098	(second adj voltage) and subtract\$3	USPAT; EPO; JPO	2004/05/25 10:57
22	362	subtract\$3 near4 second near voltage	USPAT; EPO; JPO	2004/05/25 10:58
24	58	driver and (subtract\$3 near4 second near voltage)	USPAT; EPO; JPO	2004/05/25 11:01
25	7	driver same (subtract\$3 near4 second near voltage)	USPAT; EPO; JPO	2004/05/25 10:59
28	1	"5734712" and second adj voltage	USPAT; EPO; JPO	2004/05/25 11:02
29	1868	balanc\$3 adj2 network	USPAT; EPO; JPO	2004/05/25 13:03
30	21	(slic or subscriber adj line adj interface adj circuit) same (balanc\$3 adj2 network)	USPAT; EPO; JPO	2004/05/25 13:03